

ENCLOSURE 1
MONTHLY OPERATING REPORTS
FOR MAY 1995

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NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-528
 UNIT NAME PVNGS-1
 DATE 06/08/95
 COMPLETED BY J. D. Fulton
 TELEPHONE (602) 393-5277

OPERATING STATUS

1. Unit Name: Palo Verde Nuclear Generating Station, Unit 1
2. Reporting Period: May 1995
3. Licensed Thermal Power (MWt): 3800
4. Nameplate Rating (Gross MWe): 1403
5. Design Electrical Rating (Net MWe): 1270
6. Maximum Dependable Capacity (Gross MWe): 1303
7. Maximum Dependable Capacity (Net MWe): 1221
8. If Changes Occur In Capacity Ratings (Item Numbers 3 Through 7) Since Last Report, Give Reasons: N/A
9. Power Level to Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

	Unit 1 Generating Statistics	This Month	Yr. to Date	Cumulative
11.	Hours In Reporting Period	744	3,624	81,864
12.	Hours Reactor was Critical	130.2	2,290.3	52,923.1
13.	Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14.	Hours Generator was On-Line	78.4	2,238.5	51,895.1
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	124,734	8,124,436	187,206,454
17.	Gross Electrical Energy Generated (MWH)	35,000	2,801,400	64,847,900
18.	Net Electrical Energy Generated (MWH)	13,869	2,624,409	60,855,315
19.	Unit Service Factor (%)	10.5%	61.8%	63.4%
20.	Unit Availability Factor (%)	10.5%	61.8%	63.4%
21.	Unit Capacity Factor (Using MDC Net)	1.5%	59.3%	60.9%
22.	Unit Capacity Factor (Using DER Net)	1.5%	57.0%	58.5%
23.	Unit Forced Outage Rate (%)	24.4%	1.1%	13.1%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date and Duration of Each): N/A

25. If Shutdown At End of Report Period, Estimated Date of Start-up: N/A

	Forecast	Achieved
INITIAL CRITICALITY	<u>05/85</u>	<u>05/25/85</u>
INITIAL ELECTRICITY	<u>06/85</u>	<u>06/10/85</u>
COMMERCIAL OPERATION	<u>11/85</u>	<u>01/28/86</u>

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-528
UNIT NAME PVNGS-1
DATE 06/08/95
COMPLETED BY J. D. Fulton
TELEPHONE (602) 393-5277

MONTH: May 1995

DAY	AVERAGE DAILY POWER LEVEL
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0

DAY	AVERAGE DAILY POWER LEVEL
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	35
28	185
29	493
30	563
31	0

REFUELING INFORMATION

DOCKET NO.	<u>50-528</u>
UNIT NAME	<u>PVNGS-1</u>
DATE	<u>06/08/95</u>
COMPLETED BY	<u>J. D. Fulton</u>
TELEPHONE	<u>(602) 393-5277</u>

1. **Scheduled date for next refueling shutdown.**

The 6th refueling outage is scheduled to begin on 09/21/96.

2. **Scheduled date for restart following refueling.**

11/15/96.

3. **Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?**

No

4. **Scheduled date for submitting proposed licensing action and supporting information.**

6/4/96

5. **Important Licensing considerations associated with refueling, e.g., new or different fuel design or supplier, unreviewed design or performance analysis methods, significant changes in fuel design, and new operating procedures.**

None.

6. **The number of fuel assemblies.**

a) In the core. 241

b) In the spent fuel storage pool. 456

7. **Licensed spent fuel storage capacity. 1329**

Intended change in spent fuel storage capacity. None

8. **Projected date of last refueling that can be discharged to spent fuel storage pool assuming present capacity.**

2005 (18 Month reloads and full core discharge capability).

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO.	<u>50-528</u>
UNIT NAME	<u>PVNGS-1</u>
DATE	<u>06/08/95</u>
COMPLETED BY	<u>J. D. Fulton</u>
TELEPHONE	<u>(602) 393-5277</u>

May 1995

05/01	0000	Unit began the month in refueling outage Mode 6.
05/07	0704	Entered Mode 5.
05/18	1750	Entered mode 4.
05/20	1530	Entered Mode 3.
05/25	1533	Entered Mode 2.
05/25	1626	Rx is Critical.
05/27	0305	Entered Mode 1.
05/27	1113	Synchronized the Main Generator to the grid, signaling the end of the refueling outage. Outage duration was 56 days, 11 hours and 7 minutes.
05/27	1614	Tripped the Main Turbine for overspeed testing.
05/27	2114	Synchronized the Main Generator to the grid.
05/28	0145	Completed Feedwater swapover, Rx power at 18.5%.
05/28	1422	Commenced Rx power increase to 70%.
05/29	0110	Stopped Rx power increase at 49% due to SG Chemistry.
05/30	1038	Commenced Rx power increase to 68%.
05/30	1727	Stopped Rx power increase at 64.5% due to SG #2 hi sulfates.
05/30	2230	Commenced Rx power increase to 69%.
05/30	2240	Automatic Rx Trip on SG #2 low level, plant in Mode 3. Trip was caused by FWIV-137 fast closing.
05/31	1902	Entered Mode 2.
05/31	2003	Rx is Critical
05/31	2318	Entered Mode 1.
05/31	2359	Unit ended the month in Mode 1 at 9% power..

SHUTDOWNS AND POWER REDUCTIONS
May 1995

DOCKET NO 50-528
UNIT NAME PVNGS-1
DATE 06/08/95
COMPLETED BY J. D. Fulton
TELEPHONE (602)393-6221

No.	Date	Type ¹	Outage Duration Hours	Reason ²	Method of Shutting Down Reactor ³	LER No.	System Code ⁴	Component Code ⁵	Cause and Corrective Action to Prevent Occurrence
95-01	04/01/95	S	640.2	C	2	N/A	N/A	N/A	Continuation of 5th refueling outage from previous month.
95-02	05/30/95	F	25.3	A	3	N/A	N/A	N/A	Automatic Rx Trip on SG #2 low level caused by FWIV fast closing.

¹F-Forced
S-Scheduled

²Reason:
A-Equipment Failure(Explain)
B-Maintenance or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & License Examination
F-Administrative
G-Operational Error
H-Other (Explain)

³Method:
1-Manual
2-Manual Scram
3-Automatic Scram
4-Continuation from Previous Month
5-Reduction of 20% or Greater in the Past 24 Hours
9-Other-(Explain)

⁴Exhibit F - Instructions for Preparation of the Data Entry Sheets for Licensee Event Report (LER) File (NUREG 0161)

⁵Exhibit H-Same Source

NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-529
 UNIT NAME PVNGS-2
 DATE 06/08/95
 COMPLETED BY J. D. Fulton
 TELEPHONE (602) 393-5277

OPERATING STATUS

1. Unit Name: Palo Verde Nuclear Generating Station, Unit 2
2. Reporting Period: May 1995
3. Licensed Thermal Power (MWt): 3800
4. Nameplate Rating (Gross MWe): 1403
5. Design Electrical Rating (Net MWe): 1270
6. Maximum Dependable Capacity (Gross MWe): 1303
7. Maximum Dependable Capacity (Net MWe): 1221
8. If Changes Occur In Capacity Ratings (Item Numbers 3 Through 7)
Since Last Report, Give Reasons: N/A
9. Power Level to Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

	Unit 2 Generating Statistics	This Month	Yr. to Date	Cumulative
11.	Hours In Reporting Period	744	3,624	76,248
12.	Hours Reactor was Critical	744.0	2,371.1	53,022.8
13.	Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14.	Hours Generator was On-Line	744.0	2,323.5	51,924.4
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	2,742,603	8,485,231	188,729,138
17.	Gross Electrical Energy Generated (MWH)	948,000	2,930,900	65,662,370
18.	Net Electrical Energy Generated (MWH)	894,373	2,741,858	61,435,753
19.	Unit Service Factor (%)	100.0%	64.1%	68.1%
20.	Unit Availability Factor (%)	100.0%	64.1%	68.1%
21.	Unit Capacity Factor (Using MDC Net)	98.5%	62.0%	66.0%
22.	Unit Capacity Factor (Using DER Net)	94.7%	59.6%	63.4%
23.	Unit Forced Outage Rate (%)	0.0%	0.0%	5.8%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date and Duration of Each): N/A

25. If Shutdown At End of Report Period, Estimated Date of Start-up: N/A

	Forecast	Achieved
INITIAL CRITICALITY	<u>03/86</u>	<u>04/18/86</u>
INITIAL ELECTRICITY	<u>06/86</u>	<u>05/20/86</u>
COMMERCIAL OPERATION	<u>11/86</u>	<u>09/19/86</u>

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-529
UNIT NAME PVNGS-2
DATE 06/08/95
COMPLETED BY J. D. Fulton
TELEPHONE (602) 393-5277

MONTH: May 1995

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	1246	17	1247
2	1249	18	1253
3	1250	19	1254
4	1248	20	1244
5	1249	21	1249
6	1249	22	1248
7	1249	23	1249
8	1249	24	1253
9	1248	25	1256
10	804	26	1256
11	510	27	1253
12	1117	28	1256
13	1246	29	1255
14	1248	30	1256
15	1248	31	1255
16	1248		

REFUELING INFORMATION

DOCKET NO.	<u>50-529</u>
UNIT NAME	<u>PVNGS-2</u>
DATE	<u>06/08/95</u>
COMPLETED BY	<u>J. D. Fulton</u>
TELEPHONE	<u>(602) 393-5277</u>

1. Scheduled date for next refueling shutdown.

The 6th refueling outage is scheduled for 03/16/96.

2. Scheduled date for restart following refueling.

05/10/96.

3. Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?

- a. Technical Specification change to Note 5 of Table 4.3-1 for the proposed installation of a cycle independent shape annealing matrix.

4. Scheduled date for submitting proposed licensing action and supporting information.

12/08/95.

5. Important Licensing considerations associated with refueling, e.g., new or different fuel design or supplier, unreviewed design or performance analysis methods, significant changes in fuel design, and new operating procedures.

Stretch Power to 102%.

6. The number of fuel assemblies.

- a) In the core. 241
b) In the spent fuel storage pool. 384

7. Licensed spent fuel storage capacity. 1329

Intended change in spent fuel storage capacity. None

8. Projected date of last refueling that can be discharged to spent fuel storage pool assuming present capacity.

2005 (18 Month reloads and full core discharge capability).

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO.	<u>50-529</u>
UNIT NAME	<u>PVNGS-2</u>
DATE	<u>06/08/95</u>
COMPLETED BY	<u>J. D. Fulton</u>
TELEPHONE	<u>(602) 393-5277</u>

May 1995

05/01	0000	Unit began the month in Mode 1 at 100% Rx power
05/10	1104	Commenced Rx power decrease to 40% due to high chlorides in the Condenser.
05/10	1229	Rx power stabilized at 40%.
05/10	1800	Commenced Rx power decrease to 35% due to degrading SG Chemistry.
05/10	1811	Stopped Rx power decrease at 37%, returned Rx power to 40%.
05/11	0605	Commenced Rx power increase.
05/11	0825	Stopped increasing Rx power at 47.5% due to SG Chemistry.
05/11	1255	Commenced Rx power increase.
05/11	1520	Stopped Rx power increase at 55% to take SG samples.
5/11	2215	Commenced Rx power increase to 100%.
05/12	0228	Stopped Rx power increase at 76% due to SG chemistry.
5/12	0720	Commenced Rx power increase to 100%.
05/12	1200	Rx power stabilized at 100%.
05/31	2359	Unit ended the month in Mode 1 at 100% Rx power.

SHUTDOWNS AND POWER REDUCTIONS
May 1995

DOCKET NO 50-529
UNIT NAME PVNGS-2
DATE 06/08/95
COMPLETED BY J. D. Fulton
TELEPHONE (602)393-6221

No.	Date	Type ¹	Outage Duration Hours	Reason ²	Method of Shutting Down Reactor ³	LER No.	System Code ⁴	Component Code ⁵	Cause and Corrective Action to Prevent Occurrence
95.03	05/10/95	F	48.9	A	5	N/A	N/A	N/A	Rx power reduced to 40% due to high chlorides in the Condenser.

¹F-Forced
S-Scheduled

²Reason:
A-Equipment Failure(Explain)
B-Maintenance or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & License
Examination
F-Administrative
G-Operational Error
H-Other (Explain)

³Method:
1-Manual
2-Manual Scram
3-Automatic Scram
4-Continuation from Previous Month
5-Reduction of 20% or Greater in the
Past 24 Hours
9-Other-(Explain)

⁴Exhibit F - Instructions for Preparation
of the Data Entry Sheets for Licensee
Event Report (LER) File (NUREG 0161)

⁵Exhibit H-Same Source

NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-530
UNIT NAME PVNGS-3
DATE 06/08/95
COMPLETED BY J. D. Fulton
TELEPHONE (602) 393-5277

OPERATING STATUS

1. Unit Name: Palo Verde Nuclear Generating Station, Unit 3
2. Reporting Period: May 1995
3. Licensed Thermal Power (MWt): 3800
4. Nameplate Rating (Gross MWe): 1403
5. Design Electrical Rating (Net MWe): 1270
6. Maximum Dependable Capacity (Gross MWe): 1303
7. Maximum Dependable Capacity (Net MWe): 1221
8. If Changes Occur In Capacity Ratings (Item Numbers 3 Through 7)
Since Last Report, Give Reasons: N/A
9. Power Level to Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

	Unit 3 Generating Statistics	This Month	Yr. to Date	Cumulative
11.	Hours In Reporting Period	744	3,624	64,824
12.	Hours Reactor was Critical	744.0	3,624.0	48,638.0
13.	Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14.	Hours Generator was On-Line	744.0	3,624.0	47,971.5
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	2,796,767	13,691,391	175,468,324
17.	Gross Electrical Energy Generated (MWH)	969,100	4,761,300	61,293,000
18.	Net Electrical Energy Generated (MWH)	916,992	4,499,685	57,622,392
19.	Unit Service Factor (%)	100.0%	100.0%	74.0%
20.	Unit Availability Factor (%)	100.0%	100.0%	74.0%
21.	Unit Capacity Factor (Using MDC Net)	100.9%	101.7%	72.8%
22.	Unit Capacity Factor (Using DER Net)	97.0%	97.8%	70.0%
23.	Unit Forced Outage Rate (%)	0.0%	0.0%	5.8%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date and Duration of Each): 6th Refueling Outage
scheduled to begin 10/14/95.

25. If Shutdown At End of Report Period, Estimated Date of Start-up: N/A

	Forecast	Achieved
INITIAL CRITICALITY	<u>07/87</u>	<u>10/25/87</u>
INITIAL ELECTRICITY	<u>07/87</u>	<u>11/28/87</u>
COMMERCIAL OPERATION	<u>09/87</u>	<u>01/08/88</u>

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-530
UNIT NAME PVNGS-3
DATE 06/08/95
COMPLETED BY J. D. Fulton
TELEPHONE (602) 393-5277

MONTH: May 1995

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	1250	17	1251
2	1253	18	1250
3	1256	19	1250
4	1255	20	1248
5	1253	21	1247
6	1100	22	1248
7	1089	23	1250
8	1183	24	1250
9	1254	25	1248
10	1255	26	1248
11	1254	27	1246
12	1251	28	1247
13	1254	29	1251
14	1256	30	1249
15	1255	31	1244
16	1254		

REFUELING INFORMATION

DOCKET NO. 50-530
UNIT NAME PVNGS-3
DATE 06/08/95
COMPLETED BY J. D. Fulton
TELEPHONE (602) 393-5277

1. Scheduled date for next refueling shutdown.

The 5th refueling outage is scheduled to begin 10/14/95.

2. Scheduled date for restart following refueling.

12/23/95.

3. Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?

a. Technical Specification change to Note 5 of Table 4.3-1 for the proposed installation of a cycle independent shape annealing matrix. (submitted 12/7/94 to NRC).

b. Technical Specification change to revise list of analytical methods in 6.9.1.10.

4. Scheduled date for submitting proposed licensing action and supporting information.

Submittal is planned for June 1995 to revise the list of analytical methods in Technical Specification 6.9.1.10.

5. Important Licensing considerations associated with refueling, e.g., new or different fuel design or supplier, unreviewed design or performance analysis methods, significant changes in fuel design, and new operating procedures.

None.

6. The number of fuel assemblies.

a) In the core. 241

b) In the spent fuel storage pool. 380

7. Licensed spent fuel storage capacity. 1329

Intended change in spent fuel storage capacity. None

8. Projected date of last refueling that can be discharged to spent fuel storage pool assuming present capacity.

2005 (18 Month reloads and full core discharge capability).

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO. 50-530
UNIT NAME PVNGS-3
DATE 06/08/95
COMPLETED BY J. D. Fulton
TELEPHONE (602) 393-5277

May 1995

05/01	0000	Unit began the month in Mode 1 at 100% power.
05/06	0100	Commenced Rx power decrease to 86% for chemical hide out return testing.
05/06	0225	Rx power stable at 86%.
05/08	0830	Commenced Rx power increase to 100%.
05/31	2359	Unit Ended the month in Mode 1 at 100% power.

SHUTDOWNS AND POWER REDUCTIONS
May 1995

DOCKET NO 50-530
UNIT NAME PVNGS-3
DATE 06/08/95
COMPLETED BY J. D. Fulton
TELEPHONE (602)393-6221

No.	Date	Type ¹	Outage Duration Hours	Reason ²	Method of Shutting Down Reactor ³	LER No.	System Code ⁴	Component Code ⁵	Cause and Corrective Action to Prevent Occurrence
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No reactor shutdowns or significant power reductions occurred during the month of May, 1995.

¹F-Forced
S-Scheduled

²Reason:
A-Equipment Failure(Explain)
B-Maintenance or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & License
Examination
F-Administrative
G-Operational Error
H-Other (Explain)

³Method:
1-Manual
2-Manual Scram
3-Automatic Scram
4-Continuation from Previous Month
5-Reduction of 20% or Greater in the
Past 24 Hours
9-Other-(Explain)

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of the Data Entry Sheets for Licensee
Event Report (LER) File (NUREG 0161)

⁵Exhibit H-Same Source